
Precautions

General precautions

Meridian 1 equipment is sensitive to static electricity and environmental conditions. Follow the precautions in this chapter to avoid personal injury or equipment damage.

WARNING

Module covers are not hinged; do not let go of the covers. Lift covers away from the module and set them out of your work area.

WARNING

To avoid the danger of electric shock, be very careful when you work with power equipment and connections. Warning notices are displayed and must be heeded.

There are no user repairable components or assemblies in the power system. If a power unit fails, the complete unit must be replaced. Do not disassemble a power unit under any circumstances because of the risk of electric shock.

Circuit cards

WARNING

Circuit cards may contain a lithium battery. There is a danger of explosion if the battery is incorrectly replaced. Do not replace components on any circuit card; you must replace the entire card.

Dispose of circuit cards according to the manufacturer's instructions.

WARNING

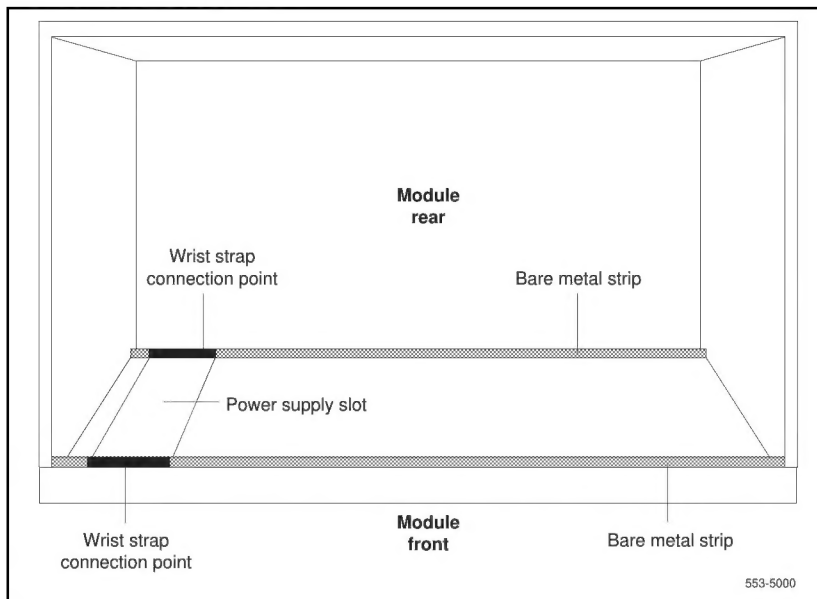
To avoid damage to circuit cards from static discharge, wear a properly connected antistatic wrist strap when you work on Meridian 1 equipment.

If a wrist strap is not available, hold one of the bare metal strips in a module to discharge static. Figure 1 shows the recommended connection points for the wrist strap and the bare metal strips you should touch.

Handle cards as follows:

- Handle cards by the edges only. Do not touch the contacts or components.
- Set cards on a protective antistatic bag. If an antistatic bag is not available, hand-hold the cards, or set them in card cages unseated from the connectors.
- Unpack or handle cards away from electric motors, transformers, or similar machinery.
- Store cards in protective packing. Do not stack cards on top of each other unless they are packaged.
- Store cards in a dry, dust-free area.

Figure 1
Static discharge points



During repair and maintenance procedures, do the following:

- Insert cards into compatible slots only.
- Turn off the circuit breaker or switch for a module power supply before the power supply is removed or inserted.

Note: In AC-powered systems, capacitors in the power supply must discharge. Wait five full minutes between turning off the circuit breaker and removing the power supply from the module.

- Software disable cards, if applicable, before they are removed or inserted.
- Hardware disable cards, whenever there is an enable/disable switch, before they are removed or inserted.
- Return defective or heavily contaminated cards to a repair center; do not try to repair or clean them.

Data disks

Make sure disks are labeled with the software generic and issue number if you remove them from the system.

Follow the precautions below to avoid damaging disks:

- Handle only the hard surface of the disk; never touch the recording surface.
- Keep disks away from strong magnetic fields.
- Avoid exposing disks to extreme heat, rapid changes in temperature, or high humidity.
- Store disks in a suitable container.

Before installing a new disk do the following:

- Check the disk identification to make sure it is the correct disk. Compare software options with the data cartridge.
- Look for any damage to the disk.
- Make sure the arrow on the label is pointing up and the rounded corner on the disk is on the bottom (see Figure 2).

CAUTION

The disk drive can be damaged if an upside-down disk is forced into the slot. If there is significant resistance when you try to insert a disk, remove the disk and check the position.

For more detailed information on data disks, see *X11 software management* (553-3001-300).

Note: No maintenance or cleaning is required on the disk drives.

Figure 2
Disk position

